

CLAIMS

1. A transparent resin composition which comprises at least one block polymer (A) selected 5 from the group consisting of (A1) and (A2) defined below and a transparent resin (B), with the difference in refractive index between (A) and (B) being not more than 0.01:

(A1): A block polymer composed of an aromatic ring-containing lipophilic block (a) having a refractive index 10 of not lower than 1.575 and a volume resistivity of 10^{12} to 10^{17} $\Omega \cdot \text{cm}$ and an aromatic ring-containing hydrophilic block (b) having a volume resistivity of 10^5 to 10^{11} $\Omega \cdot \text{cm}$ and a thermal degradation temperature of 250 to 380°C in air, with the difference in SP value from (B) being not greater than 1;

(A2): A block polymer composed of an aromatic ring-containing lipophilic block (a) having a refractive index of not lower than 1.575 and a volume resistivity of 10^{12} to 10^{17} $\Omega \cdot \text{cm}$, an aromatic ring-containing hydrophilic block (b) having a volume resistivity of 10^5 to 10^{11} $\Omega \cdot \text{cm}$ and a thermal degradation 20 temperature of 250 to 380°C in air and a transparent resin block (c) having a refractive index of not lower than 1.540 and a difference in SP value from (B) of 0 to 0.5, with the difference in SP value from (B) being not greater than 1.5;

(B): A transparent resin having a refractive index of 25 not lower than 1.540.

2. The composition according to Claim 1 wherein (A1) is a block polymer having a structure such that (a) and (b) are linked together one after the other.

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3. The composition according to Claim 1 wherein (A1) is a block polymer having a structure such that (b) as the main chain has (a) in the form of side chains.

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4. The composition according to any one of Claims 1

to 3

wherein (c) is at least one transparent resin block selected from the group consisting of polycarbonate resins, polyester resins and/or polystyrene resins.

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5. The composition according to any one of Claims 1 to 4

wherein the proportion of (c) relative to the total weight of (a), (b) and (c) constituting (A2) is 1 to 50%.

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6. The composition according to any one of Claims 1 to 5

wherein the aromatic ring constituent of (a) is at least one species selected from the group consisting of benzene, naphthalene and fluorene rings.

7. The composition according to any one of Claims 1 to 6

wherein (a) is a block containing at least one linkage selected from the group consisting of an ether linkage, thioether linkage, carbonyl linkage, ester linkage, imino linkage, amide linkage, imide linkage, urethane linkage, urea linkage, carbonate linkage and siloxy linkage, and every two of which are separated from each other by a nonionic molecular chain (d).

8. The composition according to any one of Claims 1 to 7

wherein (a) is a block containing polyester oligomers and/or polyamide oligomers.

9. The composition according to any one of Claims 1 to 8

wherein (b) is one or two of the blocks selected from the group consisting of anionic hydrophilic blocks and nonionic

hydrophilic blocks.

10. The composition according to any one of Claims 1 to 9

5 wherein (b) is an alkylene oxide adduct derived from a dihydric phenol.

11. The composition according to any one of Claims 1 to 10

10 wherein the weight ratio between (a) and (b) is 80/20 to 10/90.

12. The composition according to any one of Claims 1 to 11

15 wherein (B) is at least one species selected from the group consisting of (B1), (B2) and (B3) defined below:

(B1) polycarbonate resins,

(B2) polyester resins, and

(B3) polystyrene resins.

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13. The composition according to any one of Claims 1 to 12

wherein the weight ratio between (A) and (B) is 1/99 to 40/60.

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14. The composition according to any one of Claims 1 to 13

which further contains at least one additive (C) selected from the group consisting of alkali metal or alkaline earth 30 metal salts, surfactants, compatibilizers and ionic liquids.

15. An antistatic agent to be used for the resin composition according to any one of Claims 1 to 14 and is composed of (A).

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16. A molded article produced by molding the composition according to any one of Claims 1 to 14 and having a haze of not higher than 20%.

5 17. A molded product obtainable by coating of and/or printing on the molded article according to Claim 16.

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